AFIS BYTES

The Newsletter of Fingerprint Technologies

Inside this Issue

WHERE DOES YOUR FACILITY RANK AMONG FINGERPRINT SUBMISSIONS FROM JANUARY – DECEMBER 2006?

Facility	Count	Facility	Count
Adair County Jail	418	Jessamine County Detention Center	1760
Allen County Detention Center	615	Kenton County Jail	11318
Ballard County Jail	296	LaRue County Detention Center	414
Barren County Correction Center	1548	Laurel County Detention Center	2117
Bell County Jail	1485	Lee County Jail	169
Big Sandy Reg. Detention Center	2026	Letcher County Jail	28
Boone County Jail	3690	Lewis County Jail*	16
Bourbon County Detention Center	1212	Lincoln County Jail	854
Boyd County Detention Center	142	Livingston Sheriff's Department	68
Boyle County Detention Center	1336	Logan County Jail	911
Breathitt County Jail	388	Madison County Detention Center	2141
Breckinridge County Jail	541	Marion County Detention Center	1590
Bullitt County Jail	1349	Marshall County Detention Center	634
Butler County Jail	484	Mason County Detention Center	638
Caldwell County Detention Center	732	McCracken County Regional Jail	3004
Calloway County Detention Center	951	McCreary County Jail	460
Campbell County Detention Center*	659	Meade County Jail	727
Carroll County Detention Center	2930	Monroe County Correctional Center	285
Carter County Jail	799	Montgomery County Regional Jail	8
Casey County Detention Center	691	Mt. Vernon Police Department	323
Christian County Jail	4828	Muhlenberg County Jail	1184
Clark County Detention Center	1285	Nelson County Jail	850
Clay County Detention Center	1562	Newport City Jail	11
Clinton County Jail	475	Ohio County Jail	430
Corbin Police Department	812	Oldham County Detention Center	1012
Crittenden County Jail	342	Pee Wee Valley Institute for Women	1387
Daviess County Detention Center	3546	Perry County Jail	211
Estill County Jail	113	Pike County Detention Center	2251
Fayette County Detention Center	21194	Powell County Jail	481
Floyd County Detention Center	1386	Pulaski County Detention Center	2010
Franklin County Detention Center	3644	Rhoderer Correctional Complex	7453
Fulton County Detention Center	507	Rowan County Detention Center	820
Grant County Detention Center	1007	Russell County Detention Center	111
Graves County Detention Center	857	Scott County Detention Center	1246
Grayson County Jail	764	Shelby County Detention Center	1488
Greenup County Detention Center	754	Simpson County Detention Center	680
Hancock County Jail	2	Todd County Jail	16
Hardin County Detention Center	4646	Trigg County Detention Center	165
Harlan Police Department	45	Union County Jail	555
Hart County Jail	463	Warren County Detention Center	3118
Henderson County Detention Center	3413	Wayne County Jail	551
Hickman County Jail	114	Webster County Detention Center	417
Hopkins County Detention Center	2325	Whitley County Jail	826
Jackson County Jail	420	Woodford County Detention Center	997
Jefferson County Detention Center	41025		

*Denotes Sites with Less than a Year of Statistics

FP 2000 Unable to Process

Have you ever experienced the dreaded red box at the completion of a livescan booking stating:

FP2000 Unable to Process

Now Canceling Case

If so, there is a simple solution in eliminating this error message from your livescan experience (or at least reducing its occurrence).

After collecting data and researching FP Failures for the last four years, a common link has been discovered between this rather common Error Message and the way the fingerprints are placed on the FAS (Fingerprint Acquisition Sensor). The FP2000 (Fingerprint Processor) is a device contained within every livescan and is responsible for the extraction and interpretation of fingerprint data. The Fingerprint Processor is also involved in the intercomparison of this data to insure that all of the fingerprints, on a given card, have been recorded in the proper sequence.

When a FP Failure occurs the Fingerprint Processor is obviously unable to do its job. This is largely caused by an excessive angle being used when recording the "flat" impressions (four fingers taken simultaneously).

INCORRECT   CORRECT

For this reason it is paramount to place the hands and roll the fingers as straight as possible to eliminate FP Failures from your daily routine.

LIVESCAN FEATURES

This section of the Newsletter identifies the features of the LSS 2000 Livescan in your facility.

Lights Options Radio Buttons
1 through 3

The three lights options radio buttons are located on the upper right side of the Operational Settings screen. For each light option, the Light Emitting Diodes (LEDs) in the scan indicator bar behave differently during fingerprint scanning. Each of these options is activated when a finger is detected. When Auto Roll Tracking is enabled, choose one of the following lights options.

NOTE

The lights options are available only when scanning individual fingers, not when scanning the left and right thumbs together, or the left four fingers and the right four fingers as a group.

Lights Option 1

If this option is enabled, after the finger is detected, one LED after another flashes once and "moves" toward the finger. When the LED reaches the edge of the finger, it pauses for a moment, indicating the roll of the finger should begin. The LED follows the rolling finger and continues "moving" all the way across the scan indicator bar.

Lights Option 2

If this option is enabled, after the finger is detected, all the LEDs illuminate. When this occurs, roll the finger.

Lights Option 3

If this option is enabled, after the finger is detected, a section of the LEDs illuminate, and one LED after another flashes once and "moves" toward the finger. When the LED reaches the edge of the finger, it pauses for a moment, indicating finger rolling should begin. The LED follows the rolling finger and continues "moving" all the way across the scan indicator bar.
The direction to roll the finger is determined by the side of the fingerprint scanning glass on which the finger is detected. If the finger is placed under the set of LEDs on the right side, the finger must be rolled from right to left. If the finger is placed under the set of LEDs on the left side, the finger must be rolled from left to right.

UPCOMING TRAINING DATES

**Jan. 18th, 9:00 A.M. and 1:00 P.M.
Criminal ID and Records Building,
Conference Room**
Livescan Training

To schedule your personnel for training on this date call (502) 227-8723 or email us at livescan@ky.gov.

**Feb. 6th, 9:00 A.M. and 1:00 P.M.
Criminal ID and Records Building,
Conference Room**
Livescan Training

To schedule your personnel for training on this date call (502) 227-8723 or email us at livescan@ky.gov.

**Feb. 15th, 9:00 A.M. and 1:00 P.M.
Criminal ID and Records Building,
Conference Room**
Livescan Training

To schedule your personnel for training on this date call (502) 227-8723 or email us at livescan@ky.gov.

**Mar. 6th, 9:00 A.M. and 1:00 P.M.
Criminal ID and Records Building,
Conference Room**
Livescan Training

To schedule your personnel for training on this date call (502) 227-8723 or email us at livescan@ky.gov.

**Mar. 15th, 9:00 A.M. and 1:00 P.M.
Criminal ID and Records Building,
Conference Room**
Livescan Training

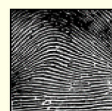To schedule your personnel for training on this date call (502) 227-8723 or email us at livescan@ky.gov.

These dates are available first come, first serve, and will not exceed 15 per session.

Did you know…?

… Fingerprint Pattern Types

There are three major types of fingerprint patterns. They are the arch, loop, and whorl. Within these groups are subcategories that are pivotal to the classification of fingerprints. Below are the subcategories:
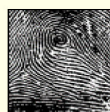
Fingerprint Pattern Type

Plain Arch   Tented Arch   Ulnar Loop   Radial Loop

Plain Whorl   Central Pocket Loop   Double Loop Whorl   Accidental Whorl

… Baby Wipes Make Fingerprinting Easier!!!

The quality of scanned images may be improved by moistening the fingers prior to scanning. Baby wipes are useful for moistening the fingers. Baby wipes that contain aloe soften the fingers best, bringing out the ridges most clearly.

Questions and Answers

Q: We have several newly hired employees, and would like to know what we need to do to establish new user accounts for them on our LiveScan?

A: This is an easy one! When you have someone new needing to have a LiveScan new user account established, simply call our "help desk" (1-800-858-5465). They will put you in contact with one of the system administrators who will be happy to create those new accounts for you. As a general rule the user login name will be created using the first initial of the first name followed by the last name (no spaces no punctuation and typed entirely in lower case). The password is the same as the user name.

Q: What do I do if the violation code on the citation will not fill in on the Livescan during the booking process?

A: If the violation code you are entering is not in the dropdown list on the Livescan, it is probably an obsolete violation code. Sometimes police officers accidentally continue using violation codes that are no longer valid. In this situation the first thing to do is check the www.kentuckystatepolice.org website to confirm it is an obsolete code. If it is in fact obsolete, it would be best if you contacted the arresting agency to have them use the correct violation code.

Tenprint Records

Counts Are Per Quarter

July - September

LiveScan Bookings	58,160
Card Scans Submitted	8,960
Searches (LiveScans & Cards)	67,120
Tenprint Data Base Size	771,651

Latent Records

Counts Are Per Quarter

July - September

Latent Identifications	116
Unsolved Latent Data Base Size	23,190

Year Ending Totals for 2005

LiveScan Bookings	138,364
Card Scans Submitted	11,855
Searches (LiveScans & Cards)	183,634
Tenprint Data Base Size	738,287
Latent Identifications	527
Unsolved Latent Data Base Size	23,428

Please submit all questions, stories, comments, and suggestions to:

**Kentucky State Police
AFIS Section
Attn: Hollie Freeman
1250 Louisville Road
Frankfort, Kentucky 40601**

Livescan@ky.gov

Profiling AFIS

Stan Slonina
Systems Consultant IT

*M*ost notably recognized as the "Father of AFIS", Stan has withstood and nurtured the ongoing technological advancements of the Kentucky State Police AFIS System. His sixteen years with the organization did not start in System Administration, but rather as a Latent Analyst. Previous work with the Orange County Sheriff's Department in California helped to cultivate Slonina's expertise in crime scene and autopsy photography, crime scene investigation, latent fingerprint examination, as well as, firearm and toolmark identification.

After six years as a Latent Analyst in the AFIS section Stan moved into his current position as Systems Consultant IT. He is currently responsible for the stability of the entire state AFIS system.

He helps to maintain over 130 Livescans across the state, almost a dozen review stations, as well as, a host of backend equipment. The Latent Evidence Documentation Center Archive (LEDCA), located in Frankfort, was also created and is maintained by Slonina. Lastly, he is responsible for the first creation and dissemination of the AFIS Bytes Newsletter.

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AFIS WOULD LIKE TO WELCOME FIVE NEW EMPLOYEES TO THE SECTION

- **MARLYN (DOUG) HARROD**
  TENPRINT SPECIALIST I

- **TERRY OSBORNE**
  TENPRINT SPECIALIST III

- **MARK ROBINSON**
  TENPRINT SPECIALIST I

- **FRED CRANE**
  LATENT FINGERPRINT ANALYST III

- **KEITH DOLLINGER**
  LATENT FINGERPRINT ANALYST III